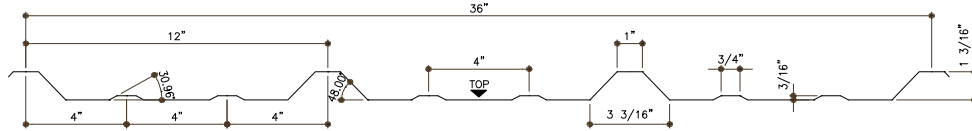


DOMTEK - PB-RIB Panel

Grade 33

Imperial



Physical Properties		Per Foot Width - In accordance with CSA S136-01 - Limit States Design								
Thickness		Weight	Yield Strength	Section Modulus		Moment of Inertia	Factored Moment Resistance		Specified Crippling Bearing N = 1.5 in.	
Gauge	Base	Z275		Mid	Support	Mid Span	Mid	Support	End	Interior
	(in.)	(lb/ft ²)	(ksi)	(in. ³)	(in. ³)	(in. ⁴)	(ft-lb)	(ft-lb)	(lb)	(lb)
26	0.018	0.950	29.7	0.03816	0.04660	0.03634	94.46	115.32	98	156

Load Table		Maximum Specified Uniformly Distributed Load in lb/ft ² (psf)		
Span	Gauge	1 Span	2 Span	3 Span
		Gauge	Gauge	Gauge
(ft)		26	26	26
2	B	126	154	192
	D	397	945	749
2.5	B	81	98	123
	D	203	484	384
3	B	56	68	85
	D	118	280	222
3.5	B	41	50	63
	D	74	176	140
4	B	31	38	48
	D	50	118	94
4.5	B	25	30	38
	D	35	83	66
5	B	20	25	31
	D	25	61	48
5.5	B	17	20	25
	D	19	45	36
6	B	14	17	21
	D	15	35	28
6.5	B	12	15	18
	D	12	28	22
7	B	10	13	16
	D	9	22	17
7.5	B	9	11	14
	D	8	18	14
8	B	8	10	12
	D	6	15	12

Notes:

- Properties and loads are based on Grade 33 Steel with a minimum yield stress of 33,000 psi and a maximum yield stress under factored loads of 27,900 psi.
- Figures in Row B indicate the load capacity based on strength. Strength capacity B should be checked against [Specified Live Load] + [0.833 x Specified Dead Load].
- Figures in Row D indicate the load capacity based on deflection of 1/180th span. For allowable deflection of 1/90th of the span, values in Row D can be doubled, but must not exceed the value in Row B. Deflection capacity should be checked against Specified Load(s).
- Specified web crippling capacity should be checked against specified load at support location.

Notes to the Designer:

- The Load Tables were developed in accordance with CSA S136-01 - North American Specification for the Design of Cold Formed Steel Structural Members and S136S1-04 - Supplement 2004 to the North American Specification for the Design of Cold Formed Steel Structural Members.
- The Load Tables were developed using Limit States Design principles.
- The Load Tables are based on specified uniformly distributed loads only.
- The effective moment of inertia for deflection determination has been calculated at a specified live load stress of 0.6F_y.
- Specified Web Crippling loads were determined using a bearing width of 1.5".
- The load tables do not consider the effect of pattern loading.
- The load tables do not account for concentrated loads.
- All span applications assumes all spans are equal.